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=> file agriculture
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SINCE FILE	TOTAL
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0.21	0.21

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FILE 'PROMT' ENTERED AT 14:48:00 ON 13 SEP 2002
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FILE 'SCISEARCH' ENTERED AT 14:48:00 ON 13 SEP 2002
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CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 14:48:00 ON 13 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s glucanotransferase and alpha and transformation
25 FILES SEARCHED...

L1 61 GLUCANOTRANSFERASE AND ALPHA AND TRANSFORMATION

=> s glucanotransferase and alpha and transform?
25 FILES SEARCHED...

L2 131 GLUCANOTRANSFERASE AND ALPHA AND TRANSFORM?

=> duplicate remove l2

DUPLICATE IS NOT AVAILABLE IN 'BIOCOMMERCE, FEDRIP, FOREGE, GENBANK,
INVESTEXT'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

DUPLICATE PREFERENCE IS 'AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CABA, CAPLUS,
ESBIOBASE, FSTA, GENBANK, IFIPAT, LIFESCI, PASCAL, SCISEARCH, USPATFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L2

L3 105 DUPLICATE REMOVE L2 (26 DUPLICATES REMOVED)

=> s l3 and plant

8 FILES SEARCHED...

25 FILES SEARCHED...

L4 48 L3 AND PLANT

=> s 14 and 4-ALPHA-GLUCANOTRANSFERASE

16 FILES SEARCHED...

L5 8 L4 AND 4-ALPHA-GLUCANOTRANSFERASE

=> d 15 1-8

L5 ANSWER 1 OF 8 AGRICOLA

AN 1998:49597 AGRICOLA

DN IND21378974

TI Normal starch content and composition in tubers of antisense potato
plants lacking D-enzyme (4-alpha-glucanotransferase).

AU Takaha, T.; Critchley, J.; Okada, S.; Smith, S.M.

AV DNAL (450 P693)

SO Planta, July 1998. Vol. 205, No. 3. p. 445-451

Publisher: Berlin ; New York : Springer-Verlag, 1925-

CODEN: PLANAB; ISSN: 0032-0935

NTE Includes references

CY Germany

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L5 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 2000:281897 BIOSIS

DN PREV200000281897

TI Corn **4-alpha-glucanotransferase.**

AU Broglie, Karen E. (1); Krebbers, Enno

CS (1) Newark, DE USA

ASSIGNEE: E. I. du Pont de Nemours and Company, Upper Marlboro, MD, USA

PI US 5994623 November 30, 1999

SO Official Gazette of the United States Patent and Trademark Office Patents,
(Nov. 30, 1999) Vol. 1228, No. 5, pp. No pagination. e-file.
ISSN: 0098-1133.

DT Patent

LA English

L5 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2002 ACS

AN 1998:682547 CAPLUS

DN 129:299048

TI **Plant 4-alpha-glucanotransferases**

and cDNAs and their expression in plant cells to alter levels of
glucanotransferase

IN Broglie, Karen E.; Krebbers, Enno; Pearlstein, Richard W.

PA E.I. Du Pont De Nemours and Company, USA

SO PCT Int. Appl., 53 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9845459	A1	19981015	WO 1998-US6737	19980407
	W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GW, HU, ID, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	US 5994623	A	19991130	US 1997-838543	19970409
	AU 9868845	A1	19981030	AU 1998-68845	19980407
	EP 973919	A1	20000126	EP 1998-914506	19980407

R: DE, FR, GB
BR 9815487 A 20011009 BR 1998-15487 19980407
PRAI US 1997-838543 A2 19970409
WO 1998-US6737 W 19980407

L5 ANSWER 4 OF 8 FSTA COPYRIGHT 2002 IFIS
AN 1998(09):J2225 FSTA
TI Normal starch content and composition in tubers of antisense potato
plants lacking D-enzyme (4-.alpha.-
glucanotransferase).
AU Takaha, T.; Critchley, J.; Okada, S.; Smith, S. M.
CS Correspondence (Reprint) address, S. M. Smith, Inst. of Cell & Molecular
Biol., Univ. of Edinburgh, Edinburgh EH9 3JH, UK. Tel. 44 (131) 650 5318.
Fax 44 (131) 650 5392. E-mail ssmith(a)srv0.bio.ed.ac.uk
SO Planta, (1998), 205 (3) 445-451, 28 ref.
ISSN: 0032-0935
DT Journal
LA English

L5 ANSWER 5 OF 8 GENBANK.RTM. COPYRIGHT 2002

LOCUS (LOC): BQ627921 GenBank (R)
GenBank ACC. NO. (GBN): BQ627921
CAS REGISTRY NO. (RN): 437392-02-4
SEQUENCE LENGTH (SQL): 620
MOLECULE TYPE (CI): mRNA; linear
DIVISION CODE (CI): Expressed sequence tag
DATE (DATE): 2 Jul 2002
DEFINITION (DEF): sao65g09.y2 Gm-c1073 Glycine max cDNA clone SOYBEAN
CLONE ID: Gm-c1073-4169 5' similar to TR:O22198 O22198
PUTATIVE 4-ALPHA-
GLUCANOTRANSFERASE. ;, mRNA sequence.

SOURCE: soybean.
ORGANISM (ORGN): Glycine max
Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
Tracheophyta; Spermatophyta; Magnoliophyta;
eudicotyledons; core eudicots; Rosidae; eurosids I;
Fabales; Fabaceae; Papilionoideae; Phaseoleae; Glycine

NUCLEIC ACID COUNT (NA): 198 a 123 c 117 g 182 t

COMMENT:

Contact: Shoemaker R/Public Soybean EST Project
Public Soybean EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
This clone is available through: ResGen, Invitrogen Corp. 2130
South Memorial Parkway Huntsville, AL 35801 For further information
call: (800)-533-4363 or contact: ccu@resgen.com web site:
www.resgen.com
Seq primer: -40RP from Gibco
High quality sequence stop: 424.

REFERENCE: 1 (bases 1 to 620)
AUTHOR (AU): Shoemaker, R.; Keim, P.; Vodkin, L.; Erpelding, J.;
Coryell, V.; Khanna, A.; Bolla, B.; Marra, M.; Hillier, L.;
Kucaba, T.; Martin, J.; Beck, C.; Wylie, T.; Underwood, K.;
Steptoe, M.; Theising, B.; Allen, M.; Bowers, Y.;
Person, B.; Swaller, T.; Gibbons, M.; Pape, D.; Harvey, N.;
Schurk, R.; Ritter, E.; Kohn, S.; Shin, T.; Jackson, Y.;
Cardenas, M.; McCann, R.; Waterston, R.; Wilson, R.
TITLE (TI): Public Soybean EST Project
JOURNAL (SO): Unpublished (1999)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..620	/organism="Glycine max" /db-xref="taxon:3847" /clone="SOYBEAN CLONE ID: Gm-c1073-4169" /clone-lib="Gm-c1073" /tissue-type="seedlings induced for symptoms of SDS (Sudden Death Syndrome) disease" /dev-stage="2-3 weeks old" /lab-host="DH10B" /note="Vector: pBluescript II SK+; Site-1: EcoRI; Site-2: XhoI; The cDNA library was constructed from mRNA isolated from 2-3 week old seedlings that were induced for symptoms of SDS (Sudden Death Syndrome) disease by the translocation of culture filtrate of Fusarium solani f. sp. glycines (Plant Cell Report 18:375-380). Cultivar Williams 82 is susceptible to the disease SDS. Plant tissue (expanded leaves, folded leaves, and new shoots) were collected at 1, 6, 24, and 48 hrs. after inoculation and their mRNA pooled equally for cDNA construction. The library was prepared using the Stratagene pBluescript II SK(+) library construction kit. Complementary DNA was synthesized from mRNA using a primer consisting of a poly(dT) sequence with an XhoI restriction site. EcoRI adaptors were ligated to the blunt-ended cDNA fragments followed by XhoI digestion. The cDNA insert is protected from XhoI digestion via methylation during first strand synthesis. The cDNA fragments were directionally cloned into the EcoRI-XhoI restriction site of the pBluescript vector. The ligated cDNA fragments were transformed into E.coli ElectroMax DH10B host cells. Plants were inoculated by Shuxian Li (Glen Hartman lab, University of Illinois). Library was constructed by Reena Philip and Steve Clough (Lila Vodkin lab, University of Illinois)."

SEQUENCE (SEQ):

```

1 atcttcctc ttcaggactt gctagcatta aaagaagaat atacaacacg ccctgcaaca
61 gaggagacaa tcaatgaccc tacgaatccg aagcactatt ggagattccg tgtgcatgtg
121 acttttggaat cattgatcaa ggataatgac ctccaaacca ccatcaaaga tctcgtcagt
181 tggagtggaa gatcacttct taaggaagac gactcagaaa tagaagcgag cccagtgtcg
241 gtgtgtgtcag cagcagaagc tctttctgag aagcagaagt ttgccagtac cacggaaaag
301 cctgttcttg tcaaataaaa attgtagctg atgttattca tgctagtcct tcaaatacata
361 ttatatccta taacctgcta agatgaagat aacaataagg atcatccgtg ctctgttcca

```

421 tctgttttgc ttaatgtttct taatgaagtc tacaaataaa tcttgatgca tgtattgttt
 481 atgtcctgcc cataagttgt agcttttata ataataagtaa tagtaattat aagaggctact
 541 ccgtactcat aatgcaagt taaataaaac aatattgtgc aacatttaag tcaggctttc
 601 tgcttgatac tcactggcct

L5 ANSWER 6 OF 8 GENBANK.RTM. COPYRIGHT 2002

LOCUS (LOC): BQ298875 GenBank (R)
 GenBank ACC. NO. (GBN): BQ298875
 CAS REGISTRY NO. (RN): 424100-95-8
 SEQUENCE LENGTH (SQL): 398
 MOLECULE TYPE (CI): mRNA; linear
 DIVISION CODE (CI): Expressed sequence tag
 DATE (DATE): 16 May 2002
 DEFINITION (DEF): sao52a05.y1 Gm-c1073 Glycine max cDNA clone SOYBEAN

CLONE ID: Gm-c1073-2698 5' similar to TR:O22198 O22198
 PUTATIVE 4-**ALPHA**-
GLUCANOTRANSFERASE. ;, mRNA sequence.

SOURCE: soybean.
 ORGANISM (ORGN): Glycine max
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta;
 Tracheophyta; Spermatophyta; Magnoliophyta;
 eudicotyledons; core eudicots; Rosidae; eurosids I;
 Fabales; Fabaceae; Papilionoideae; Phaseoleae; Glycine

NUCLEIC ACID COUNT (NA): 126 a 81 c 77 g 114 t
 COMMENT:

Contact: Shoemaker R/Public Soybean EST Project
 Public Soybean EST Project
 Washington University School of Medicine
 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108, USA
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@watson.wustl.edu
 This clone is available through: ResGen, Invitrogen Corp. 2130
 South Memorial Parkway Huntsville, AL 35801 For further information
 call: (800)-533-4363 or contact: ccu@resgen.com web site:
 www.resgen.com
 Seq primer: -40RP from Gibco.

REFERENCE: 1 (bases 1 to 398)
 AUTHOR (AU): Shoemaker,R.; Keim,P.; Vodkin,L.; Erpelding,J.;
 Coryell,V.; Khanna,A. ; Bolla,B.; Marra,M.; Hillier,L.;
 Kucaba,T.; Martin,J.; Beck,C.; Wylie,T.; Underwood,K.;
 Steptoe,M.; Theising,B.; Allen,M.; Bowers,Y. ;
 Person,B.; Swaller,T.; Gibbons,M.; Pape,D.; Harvey,N.;
 Schurk,R. ; Ritter,E.; Kohn,S.; Shin,T.; Jackson,Y.;
 Cardenas,M.; McCann,R. ; Waterston,R.; Wilson,R.
 TITLE (TI): Public Soybean EST Project
 JOURNAL (SO): Unpublished (1999)

FEATURES (FEAT):

Feature Key	Location	Qualifier
source	1..398	/organism="Glycine max" /db-xref="taxon:3847" /clone="SOYBEAN CLONE ID: Gm-c1073-2698" /clone-lib="Gm-c1073" /tissue-type="seedlings induced for symptoms of SDS (Sudden Death Syndrome) disease" /dev-stage="2-3 weeks old" /lab-host="DH10B" /note="Vector: pBluescript II SK+; Site-1: EcoRI; Site-2: XhoI; The

cDNA library was constructed from mRNA isolated from 2-3 week old seedlings that were induced for symptoms of SDS (Sudden Death Syndrome) disease by the translocation of culture filtrate of *Fusarium solani* f. sp. *glycines* (Plant Cell Report 18:375-380). Cultivar Williams 82 is susceptible to the disease SDS. Plant tissue (expanded leaves, folded leaves, and new shoots) were collected at 1, 6, 24, and 48 hrs. after inoculation and their mRNA pooled equally for cDNA construction. The library was prepared using the Stratagene pBluescript II SK(+) library construction kit. Complementary DNA was synthesized from mRNA using a primer consisting of a poly(dT) sequence with an XhoI restriction site. EcoRI adaptors were ligated to the blunt-ended cDNA fragments followed by XhoI digestion. The cDNA insert is protected from XhoI digestion via methylation during first strand synthesis. The cDNA fragments were directionally cloned into the EcoRI-XhoI restriction site of the pBluescript vector. The ligated cDNA fragments were transformed into *E. coli* ElectroMax DH10B host cells. Plants were inoculated by Shuxian Li (Glen Hartman lab, University of Illinois). Library was constructed by Reena Philip and Steve Clough (Lila Vodkin lab, University of Illinois)."

SEQUENCE (SEQ) :

```

1 cctacgaatc cgaagcacta ttggagatac cgtgtgcatg tgactttgga atcactgac
61 aaagataatg acctccaaac cgccatcaaa gatctcgtag gttggagtgg aagatcactc
121 cctaaggaag acgactcaga agtagaagtg agcccgagtgt cggcggttgc atcagcagaa
181 gctctttctg agaagcagca gtttgccggt accatggaaa agcctgttct tgtcaaataa
241 aaattgtagc tgatgttatt catgctagct cttcaaatca tattatatcc tataatctgc
301 taccttgaag ataacaacaa taaggatcat ccttggtata tgttccatct gtttgcatta
361 tgtttcttaa taaagaatac aaataaatct tgatgcaa

```

```

L5  ANSWER 7 OF 8  USPATFULL
AN  2002:221971  USPATFULL
TI  ENTEROCOCCUS FAECALIS POLYNUCLEOTIDES AND POLYPEPTIDES
IN  KUNSCH, CHARLES A., ATLANTA, GA, UNITED STATES
    DILLON, PATRICK J., CARLSBAD, CA, UNITED STATES
    BARASH, STEVEN, ROCKVILLE, MD, UNITED STATES
PI  US 2002120116      A1  20020829
AI  US 1998-70927      A1  19980504 (9)
DT  Utility
FS  APPLICATION
LN.CNT 13315
INCL  INCLM: 536/023.200
      INCLS: 435/069.100; 435/070.100; 435/071.100; 435/252.300; 435/320.100;
          530/350.000; 530/387.900; 800/013.000

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NCL NCLM: 536/023.200
 NCLS: 435/069.100; 435/070.100; 435/071.100; 435/252.300; 435/320.100;
 530/350.000; 530/387.900; 800/013.000
 IC [7]
 ICM: C07K016-00

 L5 ANSWER 8 OF 8 USPATFULL
 AN 2000:171190 USPATFULL
 TI Modified starch from **plants, plants** synthesizing
 this starch, and processes for its preparation
 IN Kossmann, Jens, Golmer Fichten 9, Golm 14476, Germany, Federal Republic
 of
 Springer, Franziska, Muhlenstr. 1, Berlin 14167, Germany, Federal
 Republic of
 Buttcher, Volker, Hundebreite 39, Lauenforde 37697, Germany, Federal
 Republic of
 PI US 6162966 20001219
 WO 9627674 19960912
 AI US 1998-913671 19980202 (8)
 WO 1996-EP1007 19960308
 19980202 PCT 371 date
 19980202 PCT 102(e) date
 PRAI DE 1995-19509695 19950308
 DT Utility
 FS Granted
 LN.CNT 1266
 INCL INCLM: 800/284.000
 INCLS: 800/286.000; 800/317.200; 435/101.000; 435/193.000; 435/419.000;
 435/468.000; 536/023.600
 NCL NCLM: 800/284.000
 NCLS: 435/101.000; 435/193.000; 435/419.000; 435/468.000; 536/023.600;
 800/286.000; 800/317.200
 IC [7]
 ICM: A01H005-00
 ICS: A01H005-06; C12N015-29; C12N015-82
 EXF 800/284; 800/286; 800/298; 800/317.2; 435/419; 435/468; 435/193;
 435/101; 536/23.6
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 1 OF 7 AGRICOLA DUPLICATE 1
 AN 2001:73174 AGRICOLA
 DN IND23227281
 TI A critical role for disproportionating enzyme in starch breakdown is revealed by a knock-out mutation in Arabidopsis.
 AU Critchley, J.H.; Zeeman, S.C.; Takaha, T.; Smith, A.M.; Smith, S.M.
 SO The Plant journal : for cell and molecular biology, Apr 2001. Vol. 26, No. 1. p. 89-100
 Publisher: Oxford : Blackwell Sciences Ltd.
 ISSN: 0960-7412
 NTE Includes references
 CY England; United Kingdom
 DT Article
 FS Non-U.S. Imprint other than FAO
 LA English

L3 ANSWER 2 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 2001:44125 BIOSIS
 DN PREV200100044125
 TI The Saccharomyces cerevisiae YPR184w gene encodes the glycogen debranching enzyme.
 AU Teste, Marie Ange; Enjalbert, Brice; Parrou, Jean Luc; Francois, Jean M.
 (1)
 CS (1) Centre de Bioingenierie Gilbert Durand, Departement de Genie Biochimique et Alimentaire, Complexe Scientifique de Rangueil, UMR-CNRS 5504, UR-INRA 792, 31077, Toulouse Cedex 04: fran_jm@insa-tlse.fr France
 SO FEMS Microbiology Letters, (1 December, 2000) Vol. 193, No. 1, pp. 105-110. print.
 ISSN: 0378-1097.
 DT Article
 LA English
 SL English

L3 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2002 ACS
 AN 1999:811373 CAPLUS
 DN 132:45849
 TI Chlamydomonas enzyme D and cDNA and method of altering starch structure in plants
 IN Ball, Steven
 PA Biogemma, Fr.
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9966056	A1	19991223	WO 1999-FR1446	19990616
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2779740	A1	19991217	FR 1998-7589	19980616
	FR 2779740	B1	20020628		
	AU 9941511	A1	20000105	AU 1999-41511	19990616
	EP 1088089	A1	20010404	EP 1999-925114	19990616
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRAI FR 1998-7589 A 19980616
WO 1999-FR1446 W 19990616
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 7 AGRICOLA DUPLICATE 2
AN 1999:76468 AGRICOLA
DN IND22011499
TI Biochemical characterization of the *Chlamydomonas reinhardtii*
alpha-1,4 glucanotransferase
supports a direct function in amylopectin biosynthesis.
AU Colleoni, C.; Dauvillee, D.; Mouille, G.; Morell, M.; Samuel, M.;
Slomiany, M.C.; Lienard, L.; Wattebled, F.; D'Hulst, C.; Ball, S.
CS Universite des Sciences et Technologies de Lille, Villeneuve, France.
AV DNAL (450 P692)
SO Plant physiology, Aug 1999. Vol. 120, No. 4. p. 1005-1014
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L3 ANSWER 5 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 3
AN 1999:431909 BIOSIS
DN PREV199900431909
TI Genetic and biochemical evidence for the involvement of **alpha-1,4 glucanotransferases** in amylopectin synthesis.
AU Colleoni, Christophe; Dauvillee, David; Mouille, Gregory; Buleon, Alain; Gallant, Daniel; Bouchet, Brigitte; Morell, Matthew; Samuel, Michael; Delrue, Brigitte; d'Hulst, Christophe; Bliard, Christophe; Nuzillard, Jean-Marc; Ball, Steven (1)
CS (1) Laboratoire de Chimie Biologique, Unite Mixte de Recherche du Centre National de la Recherche Scientifique no. 8576, Universite des Sciences et Technologies de Lille, 59655, Villeneuve D'Ascq cedex France
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CS Correspondence (Reprint) address, S. Ball, Lab. de Chimie Biol., Unite Mixte de Recherche du Cent. Nat. de la Recherche Sci. No. 8576, Univ. des Sci. et Tech. de Lille, 59655 Villeneuve d'Ascq Cedex, France. Fax 33-3-20-43-65-55. E-mail steven.ball(a)univ.lille1.fr
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AN 519131 FROSTI
TI Method for obtaining modified polysaccharides.
IN Ball S.
PA Biogemma

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PI WO 9966056 A1
AI 19990616
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